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EDITOR: K. SIEGBAHN-UPPSALA

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BARRETTE, J., P. BRAUN-MUNZINGER and C. K. GELBKE, ΔE-E telescope for the identification of heavy ions at low energies with good energy resolution and optimum ΔE resolution **126** (1975) 181

BARROWES, STEVEN C., *see* PORTER **126** (1975) 69

BARTHOLOMÄ, K.-P., *see* ENGE **126** (1975) 125

BARTHOLOMÄ, KLAUS-PETER, *see* SIEGMON **128** (1975) 461

BARTLE, C. M. and P. A. QUIN, The production of a 2–10 MeV collimated monoenergetic neutron beam of known flux using the associated particle technique **121** (1974) 119

BARTLE, C. M., A study of (n,p) and (n,α) reactions in NaI(Tl) using a pulse-shape-discrimination method **124** (1975) 547

BARTLETT, DAVID T. and FRANCES L. CREASEY, Latent fading of monitoring films **127** (1975) 149

BARTLETT, J. F., *see* BARISH **130** (1975) 49

BARTSCH, H., K. HUBER, U. KNEISSL and H. SATTLER, Method for data reduction at energy–lifetime measurements **121** (1974) 185

BARTSCH, H., K. HUBER, U. KNEISSL and H. SATTLER, Method for data reduction at energy-lifetime measurements. Erratum **121** (1974) 185 . . . . . **123** (1975) 411

BARUSSAUD, ALAIN, *see* VAREILLE **126** (1975) 61

BARZ, F., *see* SCHUMACHER **127** (1975) 157

BASARGIN, YU. G., N. I. BOLDIN, L. E. KOROLEV, V. G. LEVCHENKO, YU. P. SEVERGIN, YU. V. GOFMAN and V. Z. MAIDIKOV, A broad-range stepped-pole magnetic spectrograph **126** (1975) 413

BASILADZE, S. G., LI VAN SUN, A. B. PARFIONOV and W. TLACZALA, System of IC-modules of nanosecond electronics with computer control in the CAMAC system **130** (1975) 301

BASINGER, G. J., W. C. SCHICK, JR. and W. L. TALBERT, JR., A seven-detector angular-correlation apparatus for the study of short-lived nuclei **124** (1975) 381

BASS, R., J. IDZKO, K. STELZER and Th. WEBER, Symmetrical four-crystal Compton polarimeter for gamma rays . **128** (1975) 185

BASS, R., J. v. CZARNECKI and R. ZITZMANN, Design study of a magnetically focussed time-of-flight spectrometer for heavy ions **130** (1975) 125

BASU, S. K. and A. P. PATRO, SPAN – a FORTRAN program for routine and detailed analysis of gamma spectra using a small computer **126** (1975) 115

BATRA, R. K. and A. C. SHOTTER, Response of thin film plastic scintillator to fission fragments **124** (1975) 101

ATSCH, T., and M. MOSZYŃSKI, Timing properties of thin scintillator foils . . . 123 (1975) 341
ATSCH, T. and M. MOSZYŃSKI, Pulse-height resolution of thin scintillator foils. . . . 125 (1975) 231
ATSCH, T., B. BENGTSON, M. MOSZYŃSKI, Timing properties of a ZnO(Ga) scintillator (NE843) . . . 125 (1975) 443
ATT, R. G., A. GOODINGS, J. MARSHALL, J. E. SANDERS and D. W. SWEET, The Zebra Multi-Chamber Scanning System . . . 127 (1975) 47
AUMANN, H. and K. BETHGE, PIG ion source with extraction for multiply charged ions . . . 122 (1974) 517
AXENDALE, J. M., *see* AYRE . . . 124 (1975) 335
AZOGE, A., *see* CHARTIER . . . 128 (1975) 251
EACH, J. L. and KLAUS BECKER, Improvement in spatial resolution of track-etching microradiography . . . 130 (1975) 499
EARD, G. B., *see* GREEN. . . . 126 (1975) 175
EARDSWORTH, E., J. FISCHER, S. IWATA, M. J. LEVINE, V. RADEKA and C. E. THORN, Multiware proportional chamber focal-plane detector . . . 127 (1975) 29
EAUJEAN, R., *see* ENGE . . . 127 (1975) 125
ECKER, J., L. ERIKSSON, L. C. MOBERG and Z. H. CHO, On the use of tin-loaded plastic scintillators in Mössbauer spectroscopy . . . 123 (1975) 199
ECKER, KLAUS and M. ABD-EL RAZEK, Automatic spark counting of fast-neutron-induced recoil-particle tracks in polymer foils . . . 124 (1975) 557
ECKER, KLAUS, A simple method for the automatic evaluation of particle tracks in mica. . . . 126 (1975) 553
ECKER, K., *see* JUN . . . 129 (1975) 247
ECKER, KLAUS, *see* BEACH . . . 130 (1975) 499
ECKER, U., J. D. BURGER, R. FORBER, J. LEONG and L. PERASSO, A comparison of drift chambers . . . 128 (1975) 593
EER, G. A., J. M. DEWEY, E. L. MATHIE and D. K. WALKER, Velocity of ruptured window material in accelerator beam lines . . . 129 (1975) 353
EHRISCH, R., *see* GÄHLER . . . 130 (1975) 203
ELL, W., E. CHESI, R. COOPER, H. G. FISCHER, G. FLÜGGE, H. FREHSE, CH. GOTTFRIED, B. HECK, P. G. INNOCENTI, I. MCLAREN, A. MINTEN, M. SCIRÈ and D. WEGENER, Operation system for a 50 000-wire proportional chamber detector . . . 124 (1975) 437
ELLA, F., *see* ALESSIO . . . 124 (1975) 597
ELTON, MICHAEL L., *see* AGRESTI . . . 121 (1974) 407
EMENT, JR., A. L., *see* HENDRICK . . . 124 (1975) 389
ENDISCIOLI, G., E. LODI RIZZINI, C. MARCIANO, A. ROTONDI and A. VENAGLIONI, Experimental set-up for asymmetry measurements in the elastic scattering at small angles ($<10°$) of 40 MeV polarized protons . . . 124 (1975) 397
ENDT, P. J., A. J. SIERK and T. A. TOMBRELLO, Field distributions in a spiral resonator . . . 126 (1975) 341
ENENSON, R. E., *see* RIMAWI . . . 123 (1975) 195
ENGTSON, B., *see* BATSCH . . . 125 (1975) 443
ENJAMIN, J. A., see SATO . . . 122 (1974) 129
ENJAMIN, ROBERT, *see* LIEBER . . . 125 (1975) 553
ENJAMIN, ROBERT F., *see* LIEBER . . . 127 (1975) 87
ENNETT, G. W., A. C. GOLDBERG, G. S. LEVINE, J. GUTHY, J. BALSAMO and J. O. ARCHAMBEAU, Beam localization via ^{15}O activation in proton-radiation therapy . . . 125 (1975) 333
ENTLEY, R. F., *see* LIND . . . 130 (1975) 93
ENTON, E. V., *see* FRANK . . . 122 (1974) 433
ENVENUTI, A., D. CLINE, W. T. FORD, R. IMLAY, T. Y. LING, A. K. MANN, F. MESSING, J. PILCHER, D.D. REEDER, C. RUBBIA, R. STEFANSKI and L. SULAK, A liquid-scintillator total-absorption hadron calorimeter for the study of neutrino interactions . . . 125 (1975) 447
ENVENUTI, A., D. CLINE, W. T. FORD, R. IMLAY, T. Y. LING, A. K. MANN, F. MESSING, J. PILCHER, D. D. REEDER, C. RUBBIA, R. STEFANSKI and L. SULAK, A large-area magnetic spectrometer for the study of high-energy neutrino interactions . . . 125 (1975) 457
EREK, U., W. KREISEL, H. SCHNEIDER und E. TIERNO, Ein einfacher Thermostat zur Messung der Temperaturabhängigkeit gestörter Winkelkorrelationen. . . . 126 (1975) 583
ERÉNYI, D., S. MÉSZÁROS, S. A. H. SEIF EL NASR and J. BACSÓ, Efficiency calibration of gamma- and X-ray detectors in the energy region below 200 keV . . . 124 (1975) 505
ERG, U. E. P., H. WOLF, B. SCHÄFER and K. WIENHARD, Detection of prompt deexcitation γ-rays following bremsstrahlung-induced reactions with the aid of large volume Ge(Li) detectors . . . 129 (1975) 155
ERGANDT, E., *see* HAMMER . . . 128 (1975) 409
ERGER, CH., R. BÜHRING, G. DICK, W. ERLEWEIN, R. GRIGULL, N. MISTRY and D. TRINES, A multi-element lead glass Cherenkov detector . . . 130 (1975) 507
ERGSTROM, J. C., *see* AUER . . . 125 (1975) 257
ERNAS, M., *see* BACHELIER. . . . 123 (1975) 217
ERNIER, F., *see* LAUNOIS . . . 127 (1975) 583
ERTHOUD, GEORGES, STANLEY R. BULL, JACQUES GIROUX, YVONNE HERBAUT and LAWRENCE A. SMITH, A proportional counter for the measurement of energy deposition distributions of charged particles . . . 121 (1974) 483

BERTOLACCINI, M. and S. COVA, The logic design of high precision time-to-pulse-height converters. Part I. General problems and logic structure of a converter . . . 121 (1974) 547
BERTOLACCINI, M. and S. COVA, The logic design of high precision time-to-pulse-height converters. Part II. A converter design based on the use of integrated circuits . . . 121 (1974) 557
BERTOLACCINI, M. and G. PADOVINI, An instrument for the automatic measurement of time-variant decay-time constants . . . 129 (1975) 591
BESANT, C. B., *see* KOUTZOUKOS . . . 121 (1974) 55
BETEV, B., *see* EGGERT . . . 126 (1975) 477
BETHGE, K., *see* BAUMANN . . . 122 (1974) 517
BETHGE, K., *see* STEFFENS . . . 124 (1975) 601
BETIGERI, M. G., M. S. BHATIA and T. P. DAVID, Production of 50 keV intense heavy ion beams . . . 128 (1975) 29
BETTS, A. K., *see* RICE-EVANS . . . 130 (1975) 571
BETZ, G., H.-J. ISELE, E. RÖSSLE and G. HORTIG, Pulse-height defect of silicon surface barrier detectors for uranium ions in the range of 20 to 120 MeV . . . 121 (1974) 589
BETZ. G., H.-J. ISELE, E. RÖSSLE and G. HORTIG, Stopping powers of He, air and Kr for 5 to 110 MeV uranium ions . . . 123 (1975) 83
BEUSCHER, HANS, *see* JÄGER . . . 125 (1975) 53
BEVINGTON, P. R., B. D. ANDERSON, R. J. BARRETT, F. H. CVERNA and A. N. ANDERSON, Investigation of some properties of multiwire proportional chambers with planar cathodes . . . 129 (1975) 373
BHARGAVA, V. K., *see* MARATHE . . . 127 (1975) 99
BHATIA, M. S., *see* BETIGERI . . . 128 (1975) 29
BHATTACHARYYA, D. P. and P. K. DAS, Performance of a spark chamber at reduced pressure . . . 123 (1975) 331
BIALKOWSKI, J., L. HARMS-RINGDAHL and J. SZTARKIER, A wide range time-to-digital converter . . . 123 (1975) 605
BIESER, F., *see* GABOR . . . 130 (1975) 65
BILPUCH, E. G., *see* NEWSON . . . 122 (1974) 99
BIRCHALL, J., H. E. CONZETT, W. DAHME, J. ARVIEUX, F. N. RAD, R. ROY and R. M. LARIMER, Performance of a silicon proton polarimeter between 19 and 32 MeV . . . 123 (1975) 105
BIRK, M., *see* ABRAMSON . . . 126 (1975) 529
BISCHOFF, G., *see* WIESEHAHN . . . 124 (1975) 221
BISCHOFF, G., *see* WIESEHAHN . . . 129 (1975) 187
BISHOP, G. B., *see* SMITTON . . . 121 (1974) 41
BISHOP, G. B., A 6 MeV gamma photon facility . . . 121 (1974) 499
BISHOP, R. J., *see* JACOBSON . . . 127 (1975) 115
BISSON, Y., *see* BACHELIER . . . 123 (1975) 217
BISTER, M., *see* ANTILLA . . . 124 (1975) 605
BIZARD, G., F. BONTHONNEAU, J. L. LAVILLE, F. LEFEBVRES, J. C. MALHERBE, R. REGIMBART, J. DUFLO, F. PLOUIN and H. QUECHON, ^{11}C total production cross section in $n^{12}C$ interactions between 1 and 2 GeV/c . . . 129 (1975) 569
BLAIR, J. M., *see* BROADHURST . . . 122 (1974) 143
BLANKE, E., K. BRAND, H. GENZ, A. RICHTER and G. SCHRIEDER, Operation results of the Dynamitron Tandem at Bochum . . . 122 (1974) 295
BLATT, S. L., Characteristics of random-sum peaks in nuclear radiation spectra . . . 128 (1975) 277
BLECHER, M., *see* LAGERLUND . . . 127 (1975) 145
BLECHER, M., *see* LAGERLUND . . . 128 (1975) 525
BLIMAN, S., *see* APARD . . . 129 (1975) 357
BLOK, H., B. D. PATE and J. PÉTER, Fission fragment spectroscopy by measurements in nuclear track detectors applied to the fission of silver induced by 80 MeV alpha particles . . . 122 (1974) 329
BLOK, H. P., J. C. DE LANGE and J. W. SCHOTMAN, A new peak search method for an automatic spectrum analysis program . . . 128 (1975) 545
BLOSSER, H. G. and D. A. JOHNSON, Focusing properties of superconducting cyclotron magnets . . . 121 (1974) 301
BÖCK, H., P. GEBUREck and D. STEGEMANN, Transient response of self-powered neutron detectors . . . 123 (1975) 117
BÖCK, H. and E. BALCAR, Long-time behaviour of regenerating in-core neutron detectors with ^{238}U–^{239}Pu electrodes during power cycling . . . 124 (1975) 563
BÖCK, HELMUTH, In-core neutron-detector behaviour during reactor transient operation . . . 125 (1975) 327
BÖCK, H., and A. ZEILINGER, Radiographic examination of irradiated in-core neutron detectors . . . 129 (1975) 147
BOCK, R., *see* SCHNEIDER . . . 123 (1975) 93
BOCQUET, J. P., *see* MOLL . . . 123 (1975) 615
BOCQUET, J. P., *see* CLERC . . . 124 (1975) 607
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BODEK, A., *see* BARISH . . . 130 (1975) 49
BODO, E., D. GALERIU, M. MARINESCU, D. POENARU, L. VÎLCOV, N. VÎLCOV, YU. P. GANGRSKY, P. Z. HIEN and YU.M. TSIPENYUK, Fission-of-flight technique and the slowing-down of recoil nuclei in gases . . . 121 (1974) 379
BOEHM, F., *see* HENRIKSON . . . 121 (1974) 269
BOEUF, A., G. GOBERT and F. RUSTICHELLI, A versatile neutron diffractometer . . . 124 (1975) 533

Bohm, G., *see* Eggert **126** (1975) 477
Böhmer, V., J. Engler, W. Flauger, H. Keim, F. Mönnig, K. Pack, H. Schopper, A. Babaev, E. Brachman, G. Eliseev, A. Ermilov, Yu. Galaktionov, Yu. Gorodkov, Yu. Kamishkov, E. Leikin, V. Lubimov, V. Shevchenko and O. Zeldovich, The performance of a total absorption spectrometer up to energies of 60 GeV **122** (1974) 313
Boldin, N. I., *see* Basargin **126** (1975) 413
Bolduc, Léonard, *see* De Celles **125** (1975) 535
Bonazzola, G. C., T. Bressani, R. Cester, E. Chiavassa, G. Dellacasa, A. Fainberg, M. Gallio, N. Mirfakhrai, A. Musso and G. Rinaudo, A double magnetic spectrometer for the study of hypernuclei production by K^- in flight **123** (1975) 269
Bonetti, Claude, Utilisation d'un quartz piezo-électrique comme substrat, pour la fabrication de cibles de terres rares autosupportées, sous forme métallique, non oxydées **128** (1975) 267
Bonner, B. E., *see* Sagle **129** (1975) 345
Bonthonneau, F., *see* Bizard **129** (1975) 569
Borchert, G. L., W. Scheck and O. W. B. Schult, Curved crystal spectrometer for precise energy measurements of gamma rays from 30 to 1500 keV **124** (1975) 107
Bordner, C., *see* Hudomalj **126** (1975) 1
Boroffka, H., *see* Müller **129** (1975) 557
Bortins, J., *see* Austin **126** (1975) 373
Bosman, M., Y. Jongen, P. Leleux, P. Lipnik, P. Macq, J. P. Meulders, C. Pirart and G. Valenduc, A new type deuterium gas target **126** (1975) 465
Bosshard, R., J. Fischer, S. Iwata, V. Radeka, C. L. Wang and M. Atac, Transition radiation from 100 to 250 GeV/*c* pions **127** (1975) 137
Bosshard, R., J. Fischer, S. Iwata, V. radeka, C. L. Wang and M. Atac, X-ray transition radiation from 50 GeV electrons **127** (1975) 141
Bosshard, R., J. Fischer, S. Iwata, V. Radeka, C. L. Wang and W. J. Willis, Practical aspects of Li-Xe transition radiation detectors **130** (1975) 365
Both, Erik, *see* Mørup **124** (1975) 445
Bothur, Ernst-Helmut, Günther Clausnitzer and Erhard Salzborn, Investigation of a liquid target thrown off a fast rotating disk **121** (1974) 533
Bouclier, R., R. C. A. Brown, E. Chesi, L. Dumps, H. G. Fischer, P. G. Innocenti, G. Maurin, A. Minten, L. Naumann, F. Piuz and O. Ullaland, A vertex detector with multigap proportional chambers **125** (1975) 19
Bourdel, J., *see* Allemand **126** (1975) 29
Bourdinaud, Michel, Aimé Baracat, Jean Poivilliers and J. Claude Thevenin, Manufacture of light-weight mirrors for Cherenkov counters **126** (1975) 281
Bourgarel, M. P. *see* Roulet **125** (1975) 29
Bourquin, M. H., *see* Appel **127** (1975) 495
Bovet, E., F. Foroughi, G. Paulétta, C. Nussbaum and S. Tchiguir, Checking the alignment of a scattering chamber and measuring angular resolution with the aid of a position-sensitive detector **126** (1975) 587
Bowen, T., *see* Cheshire **126** (1975) 253
Boyard, J. L., *see* Bachelier **123** (1975) 217
Boyce, J. R., *see* Newson **122** (1974) 99
Boynton, George R., Canister cryogenic system for cooling germanium semiconductor detectors in borehole and marine probes **123** (1975) 599
Bozzo, M., J. Ogilvie and J. P. Vanuxem, A computer-controlled test system for MWPC electronics **122** (1974) 599
Brachman, E., *see* Böhmer **122** (1974) 313
Brady, F. P., *see* McNaughton **129** (1975) 241
Brady, F. P., *see* Sagle **129** (1975) 345
Brady, F. P., *see* McNaughton **130** (1975) 555
Bramhan, P., G. Carron, H. G. Hereward, K. Hübner, W. Schnell and L. Thorndahl, Stochastic cooling of a stored proton beam **125** (1975) 201
Brand, K., *see* Blanke **122** (1974) 295
Brandenberger, J. D., *see* Velkley **129** (1975) 231
Brandt, A., H. Dibon, G. Flügge, F. Niebergall, K. R. Schubert, P. E. Schumacher and W. Wilmsen, A memory-level decision for a 50 000-wire proportional-chamber detector **126** (1975) 519
Brandt, R., *see* Hirdes **130** (1975) 15
Braumandl, F., *see* Mampe **128** (1975) 585
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Breare, J. M., *see* Chaney **125** (1975) 189
Breare, J. M., *see* Macleod **129** (1975) 601
Brehin, S., A Diamant Berger, G. Marel, G. Tarte, R. Turlay, G. Charpak and F. Sauli, Some observations concerning the construction of proportional chambers with thick sense wires **123** (1975) 225
Brendle, M. and G. Steidle, A computer-controlled target-positioning system **126** (1975) 93

BRENDLE, M., An on-line alpha-particle identifying method 128 (1975) 69
BRENDLE, M. and R. ENGE, A negative-impedance semiconductor detector bias supply 129 (1975) 279
BRENDLE, M., F. GUGEL and G. STEIDLE, The ranges of alpha particles in H_2, He, CH_2 and CO_4 at energies from 0.5 to 5.3 MeV 130 (1975) 253
BRENN, R., *see* YOUNG 121 (1974) 87
BRESKIN, A., G. CHARPAK, F. SAULI, M. ATKINSON and G. SCHULTZ, Recent observations and measurements with high-accuracy drift chambers 124 (1975) 189
BRESKIN, A., G. CHARPAK and F. SAULI, High-accuracy bi-dimensional drift chambers 125 (1975) 321
BRESSANI, T., *see* BONAZZOLA 123 (1975) 269
BREUIL, R., *see* BACHELIER 123 (1975) 217
BRIAND, P., R. GELLER, B. JACQUOT, C. JACQUOT and A. THEISS, Production and abundance measurements of multicharged Xenon ions in ECR produced plasmas 127 (1975) 441
BRIAND, P., R. GELLER and A. THEISS, Method for measuring the heavy stripped ion abundances of plasmas . . . 129 (1975) 19
BRIENT, M., *see* ARIANER 124 (1975) 157
BROADHURST, J. H. and J. M. BLAIR, Constructional changes made to the Minnesota MP tandem Van de Graaff accelerator 122 (1974) 143
BROMLEY, D. ALLAN, The development of electrostatic accelerators 122 (1974) 1
BROMLEY, D. A., *see* SATO 122 (1974) 129
BROOKS, F. D. and D. T. L. JONES, Directional anisotropy in organic scintillation crystals 121 (1974) 69
BROOKS, F. D. and D. T. L. JONES, A scintillation polarimeter for n–p scattering studies 121 (1974) 77
BROOKS, JOHNS., *see* WILLIAMS 128 (1975) 363
BROTSCHI, U., A. MENETREY and R. H. WATSON, The construction and development of a thin-walled high-pressure gas target 129 (1975) 39
BROU, R. et G. VALLADAS, Appareil pour la mesure de la thermoluminescence de petits échantillons 127 (1975) 109
BROWN, B. C. *see* APPEL 127 (1965) 495
BROWN, C. N., *see* APPEL 127 (1975) 495
BROWN, D. P., *see* BAMBERGER 130 (1975) 379
BROWN, K. W., *see* BARISH 130 (1975) 49
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BRUNE, D., *see* AHLBERG 123 (1975) 385
BRUNETON, C., *see* RAOUL 125 (1975) 585
BRUNSON, G. S., On the possible connection between the central worth discrepancy and the dollar discrepancy . . 125 (1975) 139
BRUNSON, G. S. and R. J. HUBER, Two-region analysis of pulsing data in fast critical systems 128 (1975) 379
BRYSK, H., *see* MAYER 125 (1975) 323
BUCCHERI, ROSOLINO, V. DI GESÙ and S. SALEMI, Use of a direct non-parametric pattern recognition method for the automatic selection of high energy gamma-ray events in spark chamber pictures 123 (1975) 363
BUCHANAN, V. J., *see* KATCOFF 129 (1975) 473
BUCHHOLZ, D. *see* BARISH 130 (1975) 49
BUFFINGTON, ANDREW, CHARLES D. ORTH and GEORGE F. SMOOT, A bremsstrahlung-identification technique for cosmic-ray electrons and positrons 122 (1974) 575
BÜHRING, R., *see* BERGER 130 (1975) 507
BULL, R. M. and J. H. YOULE, The characteristics of current-limited spark chambers 121 (1974) 259
BULL, STANLEY R., *see* BERTHOUD 121 (1974) 483
BURGER, J. D., *see* BECKER 128 (1975) 593
BURGKHARDT, B., *see* PIESCH 126 (1975) 563
BURGMER, W. and H. KLEIN, Dead-time corrections for multiplexer analyser systems 123 (1975) 371
BURKE, CHARLES A., *see* LEFEVRE 122 (1974) 351
BURN, N., *see* ANDREWS 122 (1974) 147
BUSSO, L., *see* BALESTRA 125 (1975) 157
BYRD, J. S., A digital ratemeter for computer applications 121 (1974) 397
BYRNE, J., F. SHAIKH and T. J. L. MCCOMB, Magnetic field dependence of the energy resolution of silicon surface-barrier detectors 122 (1974) 347
BYSTRICKY, J., *see* RAOUL 125 (1975) 585

CABE, JEAN, *see* ADAM 121 (1974) 339
CABOT, C., C. DEPRUN, H. GAUVIN, Y. LE BEYEC and M. LEFORT, Chemical effects in the collection of Mercury isotopes with the He-jet transport method 125 (1975) 397
CABOT, MICHAEL A., AARON GALONSKY, R. R. DOERING and JOSEPH COSTANZO, Preparation of a thick ^{14}C target . 125 (1975) 85
CABRESPINE, A., *see* ARIANER 124 (1975) 157
CADMUS JR., R. R. and W. HAEBERLI, A polarimeter for 2-14 MeV vector-polarized deuteron beams 129 (1975) 403
CAFOLLA, A. A., J. N. CARTER, C. F. G. DELANEY and I. R. MCDONALD, A computation on secondary electron emission statistics and its application to single electron spectra in photo- and electron multipliers 128 (1975) 157

AKE, B. V., *see* DUERDOTH . . . 129 (1975) 461
ALDWELL, J. T., H. F. ATWATER, E. H. FARNUM, R. J. FRIES and A. K. HYDER, Nondestructive fuel assay of laser targets. II. Photonuclear [D(γ,n)] method . . . 126 (1975) 293
ALLOT, O. et J. M. MEYER, Surveillance automatique du gain des photomultiplicateurs dans un faisceau de particules . . . 128 (1975) 25
AMERON, J. M., *see* CARLSON . . . 123 (1975) 509
AMPBELL, C. J., *see* DONALD . . . 121 (1974) 181
AMPBELL, J. L. and L. A. MCNELLES, An inter-comparison of efficiency-calibration techniques for semiconductor X-ray detectors . . . 125 (1975) 205
AMPBELL, J. L., *see* MCNELLES . . . 127 (1975) 73
ANTY, M. J., P. H. DEBENHAM, D. A. DOHAN, M. SKALSEY and J. W. WATSON, Nuclear lifetime measurements with an on line electron spectrometer . . . 122 (1974) 547
APLAN, H. S., *see* AUER . . . 125 (1975) 257
AR, R., *see* GHIDINI . . . 125 (1975) 357
ARCHON, R., E. VAN CAMP, G. KNUYT, R. VAN DE VYVER, J. DEVOS and H. FERDINANDE, A general solid angle calculation by a Monte Carlo method . . . 128 (1975) 195
AREY, DAVID, C., The effect on the quality of high-energy beams of nonlinearities in the field of magnetic quadrupoles 126 (1975) 325
ARLSON, J. D., *see* LIND . . . 130 (1975) 93
ARLSON, R. F., W. F. MCGILL, T. H. SHORT, J. M. CAMERON, J. REGINALD RICHARDSON, W. T. H. VAN OERS, J. W. VERBA, P. DOHERTY and D. J. MARGAZIOTIS, A technique for measuring proton total reaction cross sections at medium energies . . . 123 (1975) 509
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ARTER, H. K. and R. L. MLEKODAJ, A simple tape vacuum seal for quick sample removal from high vacuum . . 128 (1975) 611
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ESTER, R., *see* BONAZZOLA . . . 123 (1975) 269
HABAUD, V. and K. KURODA, A time-dependent analysis of asymmetry measurements in polarized-target experiments . . . 125 (1975) 119
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HANEY, J. E. and J. M. BREARE, A flash tube chamber suitable for use at high repetition rates . . . 124 (1975) 61
HANEY, J. E., J. M. BREARE and I. D. TAIT, A digitised neon flash-tube chamber for γ-ray detection . . . 125 (1975) 189
HAO, ALEXANDER W. and MELVIN MONTH, Particle trapping during passage through a high-order nonlinear resonance . . . 121 (1974) 129
HAPMAN, K. R., The inverted sputter source . . . 124 (1975) 299
HARPAK, G., Z. HAJDUK, A. JEAVONS, R. STUBBS and R. KHAN, The spherical drift chamber for X-ray imaging applications . . . 122 (1974) 307
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HARPAK, G., *see* BRESKIN . . . 125 (1975) 321
HARPAK, G., S. MAJEWSKI and F. SAULI, The scintillating drift chamber: A new tool for high-accuracy, very-high-rate particle localization . . . 126 (1975) 381
HARRIER, J., Comparaison de quelques caractéristiques de cristaux NaI(Tl) en fonction de leurs dimensions . . . 123 (1975) 477
HARRIER, J., Transformation du spectre obtenu par un détecteur a scintillation NaI(Tl) en distribution en énergie des photons détectés . . . 128 (1975) 101
HARTIER, J. L., A. BAZOGE and C. ITIE, Free-air ionization chamber for the energy range 12 keV to 100 keV . . 128 (1975) 251
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HAUDHRI, M. ANWAR and G. R. FORSE, Neutron dosimetry with solid-state detectors . . . 121 (1974) 191
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CHRISTIE, P., K. D. EVANS, J. GRIFFITHS, E. MATHIESON and P. MURPHY, Position sensing by the charge equilibrium method **130** (1975) 279
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CLAUSNITZER, G., H. KLINGER, A. MÜLLER and E. SALZBORN, An electron beam ion source for the production of multiply charged heavy ions **128** (1975) 1
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CLEEMANN, L., B. SCHIMMER and K. H. LAUTERJUNG, A position-sensitive proportional counter for magnetic spectrographs with a bent focal plane **121** (1974) 605
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CLEMENTS, P. J., The calibration of ^{6}Li Semiconductor Sandwich spectrometers **127** (1975) 61
CLERC, H.-G., K.-H. SCHMIDT, H. WOHLFARTH, W. LANG, H. SCHRADER, K. E. PFERDEKÄMPER, R. JUNGMANN, M. ASGHAR, J. P. BOCQUET and G. SIEGERT, Separation of isobaric elements by the energy-loss dispersion in carbon absorber foils **124** (1975) 607
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COHEN, ERI JAY, Live time and pile-up correction for multichannel analyzer spectra **121** (1974) 25
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CONDE, C. A. N. and M. FÁTIMA A. FERREIRA, The argon uniform-field gas proportional scintillation counter: Improved energy resolution for α-particles and its behaviour for X-rays **124** (1975) 307
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CRAMER, JOHN G., A new technique for the bunching of charged particle beams . . . 128 (1975) 597
CRAMER, JOHN G., Suggestion for a charge-state "enforcer" for heavy ion accelerators . . . 130 (1975) 121
CRANNELL, HALL, J. M. FINN, P. HALLOWELL and J. T. O'BRIEN, A low-volume, high-pressure gas target for use in electron-scattering experiments . . . 126 (1975) 453
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CRAWFORD, J. E., *see* AZUELOS . . . 125 (1975) 579
CRAWFORD, J. F., E. B. HUGHES, L. H. O'NEILL and R. E. RAND, A precision luminosity monitor for use at electron–positron storage rings . . . 127 (1975) 173
CREASEY, FRANCES L., *see* BARTLETT . . . 127 (1975) 149
CRITTENDEN, R. R. and J. C. KRIDER, A method for producing an insensitive region in a multiwire proportional chamber . . . 128 (1975) 599
CROSS, P., G. W. MCBETH and H. P. RIMMINGTON, Rapid identification and radioassay of picocurie quantities of the alpha-emitting series . . . 125 (1975) 425
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CUNHA, J. D. and P. M. CORRÊA, The experimental shape of resonance yield curves . . . 125 (1975) 265
CVERNA, F. H., *see* BEVINGTON . . . 129 (1975) 373
CZAPEK, GERHARD, HANS HÄNNI, ALF MARKEES, JÜRG SCHACHER and GERT VIERTEL, A lead-glass Cherenkov detector for electrons in the 100 MeV region . . . 125 (1975) 41
CZARNECKI, J. v., *see* BASS . . . 130 (1975) 125

DABROWSKI, A. J., J. IWAŃCZYK and R. TRIBOULET, n-Type CdTe semiconductor detectors as X- and low-energy gamma-ray room-temperature spectrometers . . . 126 (1975) 417
DADIAN, A. T., A. S. NANASIAN and A. M. ZVEREV, Small data acquisition and processing system (DAPS) . . . 129 (1975) 193
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DAMASKINSKY, E. A., A. P. KASHCHUK, A. G. KRIVSHICH and A. A. VOROBYOV, A method for improving the spatial resolution of multiwire proportional chambers . . . 130 (1975) 611
DAMJANTSCHITSCH, H., *see* SANN . . . 124 (1975) 509
D'ANGELO, P., *see* GHIDINI . . . 125 (1975) 357
DANIEL, B. J., *see* AYRE . . . 124 (1975) 335
DANIEL, H., Calculation of multiple scattering of charged particles allowing for energy loss and a homogeneous longitudinal magnetic field . . . 124 (1975) 253
DANIELS, J. M., An approximation to the Mössbauer lineshape integral in terms of rational functions . . . 128 (1975) 473
DANIELS, J. M., The interpretation of Mössbauer spectra obtained with polarized gamma-rays and single crystal absorbers . . . 128 (1975) 483
DANNER, HORACE R., *see* MCCARTHY, JR. . . . 121 (1974) 609
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DARRIULAT, P., E. GYGI, M. HOLDER, K. T. MCDONALD, H. G. PUCH, F. SCHNEIDER and K. TITTEL, Conversion efficiency of lead for 30-200 MeV photons . . . 129 (1975) 105
DAS, P. K., *see* BHATTACHARYYA . . . 123 (1975) 331
DAUM, C. and P. W. KEATON, Jr., A null technique for calibrating polarization values in πp scattering . . . 129 (1975) 85
DAUM, MANFRED, An intensity-distribution monitor for the SIN external proton beam . . . 126 (1975) 493
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DAVEY, P. G., J. F. HARRIS, B. M. HAWES, P. R. LAMB, J. G. LOKEN and N. WEST, Advances in a minimum guidance system for measuring bubble chamber film . . . 123 (1975) 445
DAVID, J. C., *see* ROULET . . . 125 (1975) 29
DAVID, T. P., *see* BETIGERI . . . 128 (1975) 29
DAVIDSON, WALTER F., *see* JÄGER . . . 125 (1975) 53
DAVIES, J. K., S. M. FISHER, D. C. IMRIE and G. J. LUSH, Development and operation of a multiwire proportional chamber system . . . 129 (1975) 313

Davies, M. P. H., S. Haddon, P. J. Hagan, R. A. Hunt, B. E. F. Macefield and C. A. Wilkinson, A CAMAC data collection facility . . . 122 (1974) 451
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De Boer, J., *see* Assmann . . . 122 (1974) 191
De Bruin, M., S. S. Then, P. Bode and P. J. M. Korthoven, A simple dead-time stabilizer for gamma-ray spectrometers . . . 121 (1974) 611
Debrun, J. L., *see* Barrandon . . . 127 (1975) 269
De Castro Faria, N. V., *see* Ponczek . . . 126 (1975) 125
De Celles, Michel, Marcel Baril and Léonard Bolduc, Ion-optical properties of systems having circular symmetry in the plane of motion and application to the multipassage magnetic mass spectrometer . . . 125 (1975) 535
Déclais, Y., *see* Baillon . . . 126 (1975) 13
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De Leo, R., G. D'Erasmo and A. Pantaleo, Detection of gamma-rays by means of organic scintillators . . . 129 (1975) 501
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Dellagi, Mohamed, Fluctuations de perte d'énergie de particules passant à travers une faible épaisseur de matière . . . 128 (1975) 191
De Lotto, Ivo and Emilio Gatti, Variance of estimators of autocorrelation parameters of Poisson doubly stochastic point processes . . . 127 (1975) 561
De Lotto, I. and S. Golinelli, Content addressable memories in scientific instruments . . . 130 (1975) 487
De Lotto, I. and S. Golinelli, Non-stationary evoked response estimation . . . 130 (1975) 617
Demichelis, F., G. Raia and A. Tartaglia, A method for the multiple scattering correction in double-differential neutron scattering measurements . . . 124 (1975) 375
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Derenzo, S. E., A. R. Kirschbaum, P. H. Eberhard, R. R. Ross and F. T. Solmitz, Test of a liquid argon chamber with 20 μm rms resolution . . . 122 (1974) 319
Derevshikov, A. A., *see* Adylov . . . 125 (1975) 301
Derevschikov, A. A., *see* Raoul . . . 125 (1975) 585
Dési, S., Method for improving the performance of X-ray fluorescence analysis systems at high count rates . . . 128 (1975) 603
Deutsch, M., *see* Siemann . . . 129 (1975) 427
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Dewendra, J. D. and R. B. Galloway, A simple fast-neutron detector with pulse discrimination against gamma rays . . . 125 (1975) 503
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Diamant Berger, A., *see* Brehin . . . 123 (1975) 225
Diambrini-Palazzi, Giordano, Ezio Menichetti and Alberto Santroni, On the use of coherent electron-pair photoproduction and bremsstrahlung obtained from a 400 GeV proton-synchrotron . . . 126 (1975) 369
Dibianca, F. A., A. F. Dunaitsev, V. Z. Kolganov, A. I. Mukhin, F. A. Nezrick and F. Sittler, Cherenkov threshold-differential spectrometer . . . 129 (1975) 59
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Dilg, W., Redetermination of the slow neutron scattering cross section for vanadium . . . 122 (1974) 343
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DOHM, V., H. FAISSNER, F. J. HASERT, J. VON KROGH and W. THOMÉ, Linear focusing of neutrino parents. I. Elliptical Lenses **124** (1975) 477

DOI, KOHSEI, A simple risetime discriminator for X-ray proportional-counter background reduction **125** (1975) 183

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DOSE, V., W. HETT, U. SCHMOCKER and H. WINDRICH, Pressure modulation of a gas target **124** (1975) 321

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DUDER, J. C., J. F. CLARE and H. NAYLOR, Stopping power of Havar for 0.8–3.9 MeV deuterons and 2.9–6.0 MeV protons **123** (1975) 89

DUERDOTH, I. P., R. J. ELLISON, R. E. H. JONES, D. MERCER, B. V. CAKE and D. CLARKE, Measurements of the time resolution and rate capability of multiwire proportional chambers **129** (1975) 461

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DUFOURNAUD, D., M. N. MINARD and T. R. WILLITTS, An overlay system for data acquisition in high-energy-physics experiments **126** (1975) 103

DUMAIL, M. et J. P. MOUFFRON, Une source de CaH^- pour accélérateurs tandem **127** (1975) 305

DU MARCHIE VAN VOORTHUYSEN, E. H. and PH. B. SMITH, An electrostatic plunger device and the analysis of recoil-distance spectra **127** (1975) 205

DUMPS, L., *see* BOUCLIER **125** (1975) 19

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EBINGHAUS, H., E. STEFFENS, J. ULBRICHT and F. WITTCHOW, Search for a polarized lithium target **125** (1975) 73

ECK, JOHN S. and DONALD O. ELLIOTT, Direct extraction of a $^{12}C^-$ beam from a diode ion source **121** (1974) 411

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EFKEN, B., D. HAHN, D. HILSCHER and G. WÜSTEFELD, Energy loss and energy loss straggling of N, Ne, and Ar ions in thin targets . . . 129 (1975) 21
EFKEN, B., D. HAHN, D. HILSCHER and G. WÜSTEFELD, Multiple scattering of Ne and Ar ions in thin gaseous targets 129 (1975) 22
EGGERT, K., W. THOMÉ, B. BETEV, G. BOHM, P. DARRIULAT, P. DITTMANN, E. GYGI, M. HOLDER, K. T. MCDONALD, H. G. PUGH, F. SCHNEIDER, H. ALBRECHT, T. MODIS, K. TITTEL, I. DERADO, V. ECKARDT, H. J. GEBAUER, R. MEINKE, O. R. SANDER and P. SEYBOTH, A streamer-chamber detector at the CERN Intersecting Storage Rings . . . 126 (1975) 47
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EICHNER, H., *see* EUBE . . . 130 (1975) 7
EIDENS, J., *see* SISTEMICH . . . 130 (1975) 49
EL-IBIARY, M. Y. and L. A. EL-KHARADLY, Walk and dispersion in leading-edge timing with planar semiconductor gamma ray detectors . . . 121 (1974) 4
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HAJNAL, FERENC and CATHERINE KLUSEK, Semi-empirical efficiency equations for Ge(Li) detectors . . . 122 (1974) 559
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HAMMON, W., S. PENSELIN, A. SCHOLZEN und H. SIMM, Ionisierung eines Atomstrahls mit Hilfe von Ladungsaustauschreaktionen zur Erzeugung polarisierter Protonen und Deuteronen . . . 125 (1975) 571
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HERZO, D., R. KOGA, W. A. MILLARD, S. MOON, J. RYAN, R. WILSON, A. D. ZYCH and R. S. WHITE, A large double scatter telescope for gamma rays and neutrons 123 (1975) 583
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